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The Third International CMM/CBM Symposium was held solemnly at KunLun hotel in Beijing

This event was co-sponsored by US Environmental Protection Agency, State Administration of Coal Mine Safety Supervision of China and China National Association and organized by China Coal Information Institute. More than 130 representatives participated the meeting include the officials from the international organizations include US Environmental Protection Agency, the World Bank, Asian Development Bank and United National Development Programme etc. and the others from the United States, Britain, Australia, Japan and Netherlands and domestic department of mine, petroleum and geology.

Mr. Fan Weitang, Chairman of China National Coal Association welcomed the international agencies and the foreign companies to explore coalbed methane projects in China so as to push forward the advancement of science and technology and the international cooperation in his opening address. Mr. Zhao Tiechui, Vice President of State Administration of Coal Mine Safety Supervision emphasized in his speech that methane exploration in the mine areas were provided with favourable infrastructures and both surface exploration and underground extraction should be carried on concurrently and industrialized development should be advocated. Mr. Dou Qingfeng, President of the CCII delivered welcome address at the

opening session and pointed out that CCII would provide better consulting services for methane exploration to the international cooperation by making use of their predomination furtherly.

Five plenary sessions were arranged in this meeting, namely (1) the opportunities and challenge in development of CBM/CMM in china (2) CBM/CMM resources evaluation (3)the technology of surface exploratory and underground extraction (4) the utilizaion technologies of CMM/CBM (5) clean development mechanism. Mr. Huang Shengchu, Vice President of CCII and Mr. Karl H • Schultz. Manger of Coalbed Methane Programs of US EPA co-chaired the discussion of the meeting.

The economic globalization and China being a WTO member will bring a new occasion for Chinese enterprise to use foreign capital, the energy and coalbed methane projects will be the hot points for foreign investments. Many international organizations are actively to provide donations and technology contribution to joint the development of the energy and coalbed methane projects in China. The coalbed methane development had been put in the energy development plan for the tenth "Five-Year-Plan" of the country. The government also provides a powerful support in policy. Therefore the outlook of the coalbed methane development in China is very bright. The representatives probed into the perspective development of coalbed methane industrialization, communicated the coalbed methane utilization technology and the regulations and policies concerned with each other from the overseas governmental departments, international organizations,

financing organizations and other field such as coal, petroleum, natural gas (coalbed methane), electric power and geology. This event brought forth the new development of the world coalbed methane exploration and the investment opportunities for the coalbed methane projects, promote the international cooperation in the field of technology and economic and play the key role in speeding up the development step of china energy and coalbed methane industry.

China and US join hands in CBM development in Yunnan

China United Coalbed Methane Co Ltd and the US Far East Energy Corp signed joint CBM development agreement concerning CBM development in Hong'en and Laochang coal mine areas in Yunnan Province and product share contract in the Great Hall of the People in Beijing in December 2002.

This contract relates to the CBM development in Hong'en and Laochang coal mine areas in Qilin District of Qujing city and Fuyuan County in Yunnan Province. Both locations are neighboring Liupanshui city of Guizhou Province in the east. The areas covered by this contract is composed of three blocks of Hong'en, Laochang Yuwang and Laochang Daobanfang, totaling an area of 1072.32km². Within three years of exploration stipulated by this contract, the US Far East Energy is to bear all exploration risks and the US company is to drill 5 CBM exploration wells and 8 CBM pilot test wells. During the development period, the Chinese and the US sides are to jointly put in investments and the CBM produced from the contract area is to be shared between the two sides according to

the investment ratio from the 2 sides stipulated in the contract articles. It is reported that Yunnan Province is endowed with total CBM reserves of nearly 450.0 billion m³. The total CBM reserves within the contract area are in the range of about 140.0 billion m³.

According to relevant agreement, Yunnan Province is to invest a total of 6.5 million yuan, China United Coalbed Methane Co Ltd is to invest 4.0 million yuan and the US Far East Energy is to put in 4.0 million dollars as investment. It is expected that the total CBM reserves amount to 60 ~ 70 billion m³ in Hong'en coal field where Yunnan Province and China United CBM are to carry out joint exploration while the CBM reserves in the neighboring Laochang-Guishan Basin are expected to total 180 ~ 250 billion m³ where the US Far East Energy is to carry out exploration activity.

Yunnan Province is one of the coal rich provinces that are in the southern part of this country. Prospective coal reserves in Yunnan Province are predicted as much as over 70 billion tons and the proven coal reserves are about 23.9 billion tons. Yunnan Province is currently producing coal at an annual rate of about 30.0Mt. Both Hong'en coal field and Laochang-Guishan coal field are all traditional major coal producing areas in this southwest province.

The 3rd International Methane & Nitrous Oxide Mitigation Conference Call for Papers

The Organizing Committee of the 3rd International Methane & Nitrous Oxide Mitigation Conference announces the Call for Papers. The conference, scheduled for 14-19 September 2003 at the Kunlun Hotel in Beijing, China, will bring together participants from throughout the world to share experiences in developing innovative, project-oriented solutions to the problem of methane and related nitrous oxide emissions.

PLANNED EVENTS

The conference will feature detailed discussion on important sources of methane and nitrous oxide, including landfills and sewage management, natural gas and oil systems, coal mining, and agriculture. Attendees will participate in source-specific discussions on characterizing emission sources, using proven and innovative technologies to reduce emissions, and overcoming the barriers to project development. Cross-cutting themes, such as monitoring and verification procedures, the economics of mitigation, and multi-gas/multi-source analyses will be featured throughout the conference. Participation of international experts will help establish a global picture of the potential for expanded methane and nitrous oxide mitigation.

Field trips and workshops will supplement the discussions at the conference. Field trip participants will visit project sites, inspect methane and nitrous oxide mitigation operations, and visit with project managers. Workshops will address specific topics in an environment that allows for extended, intensive dialogue.

CONFERENCE BACKGROUND

The Methane and Nitrous Oxide Conference is the only major international conference series focusing on the mitigation of methane. The first two conferences in the series were held in Kiev, Ukraine, in 1997 and Novosibirsk, Russia, in 2000. More than 200 participants from 30 nations attended the Novosibirsk meeting. The organizers of the upcoming third conference again encourage a wide range of participants from both industrialized and developing nations.

As a greenhouse gas, methane is 21 times more potent than carbon dioxide and is the second most important greenhouse gas.

Methane, however, is also a fuel. Capturing and utilizing methane not only reduces greenhouse gas emissions, it harnesses this resource to provide a reliable, economic and cleaner burning source of energy. For these reasons, methane mitigation is now an essential and cost-effective element of any global climate change action plan.

Nitrous oxide is the next most significant greenhouse gas after methane. At agricultural sources, methane and nitrous oxide emissions are closely related and must be jointly addressed.

WHO SHOULD ATTEND?

In the past, conference participants have included:

- Project developers
- Government officials
- Industry representatives
- Finance professionals and other investment managers
- Scientists and engineers
- Representatives of non-government organizations

By bringing together leaders with varied professional backgrounds and areas of

expertise, the upcoming conference will provide a stimulating atmosphere for cooperation and collaboration. Participants will benefit by:

- Improving their understanding of the different approaches to methane and nitrous oxide mitigation
- Receiving the most up-to-date news relating to methane and nitrous oxide emissions, including information about recovery potential and end-use markets
- Discussing how to most effectively set project baselines and conduct monitoring and verification activities
- Addressing the key barriers to implementing mitigation projects
- Coordinating plans for future research and analysis
- Laying a foundation for productive, long-term relationships with other conference participants

The conference will be an excellent forum for technology transfer, with a focused program and practical discussions of technological applications to methane mitigation and recovery. The conference will also bring together project developers and investment managers, potentially stimulating investment in mitigation projects!

OFFICIAL CONFERENCE LANGUAGES

Chinese and English

CALL FOR PAPERS

The Organizing Committee of the 3rd International Methane & Nitrous Oxide Mitigation Conference invites you to submit an abstract for formal review. Following the review, the Organizing Committee will notify authors of acceptance of the paper for formal presentation at the conference, acceptance of the paper for the poster session, or denial.

Although abstracts may cover any topic related to methane and nitrous oxide mitigation from

landfills, coal mines, natural gas systems, and agricultural sources, authors are encouraged to address topics that fall into the following general subject areas:

Cross-Cutting Issues

- Financing mitigation projects
- Integrating different methane sources into one project
- Monitoring, measurement, and verification of emissions and emission reductions
- Inventories

Economics

- Modeling industrial/energy-related projects
- Modeling agricultural projects
- Domestic modeling-combined energy and agricultural sector
- International modeling efforts
- Opportunities for additional research and analysis

Agricultural Sources

- Manure and anaerobic digestion
- Enteric fermentation
- Agricultural soil management
- Rice cultivation
- Agricultural residue burning and savannah burning
- Global net/total greenhouse gases
- Project-level mitigation options
- Mitigation cost
- End-use options
- Project profiles and case studies
- Multi-gas/multi-source analysis
- Research and development needs

Coal Mining

- Conventional methane drainage techniques and end-use markets
- New and innovative recovery technologies
- Capture and use of methane from abandoned mines
- Innovative research, development, & demonstration
- Project case studies
- Country-specific profiles and the global market

Landfills

- Modeling landfill gas generation and recovery
- Developments in landfill gas management technologies
- End-uses and the market for landfill

- gas
- Global case studies-technical and market experience in countries around the world
- Promoting landfill methane as an energy resource
- Research advances to meet future applications

Natural Gas

- Measurement approaches
- Mitigation technologies and practices
- Venting and flaring
- Technological needs to address remaining fugitive emissions
- Case studies
- International emissions and project opportunities

Persons desiring to present a paper at the conference shall submit one abstract per paper. Abstracts shall not exceed one page in length (A4 paper) and may include up to two diagrams or figures as an attachment. The abstract shall include the following:

Title of the paper

- Name of the principal author, listed first
- Name of all corresponding authors
- General subject area
- Organization and address of the principal author
- Telephone, fax, and email address of the principal author
- Summary of the topic to be presented

Abstracts shall be in MS Word and shall be in either English or Chinese. English language abstracts shall be emailed to Mr. Clark Talkington at talkington.clark@epa.gov. Authors shall submit Chinese language abstracts to Ms. Liu Xin of the China Coal Information Institute at cbmc@public.bta.net.cn. Alternatively, abstracts may be mailed to:

English
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Or
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DEADLINES FOR ABSTRACTS AND PARERS

Submission of Abstract 31 January 2003

Notification of Acceptance 15 March 2003
or Denial

Final Papers Due for 1 June 2003
Publication

The lead times is necessary to ensure that all papers are translated into both languages for the conference proceedings.

FURTHER INFORMATION

Please visit the conference Web site at

[http://www.ergweb.com/methane_china/index.htm\(English\)](http://www.ergweb.com/methane_china/index.htm(English)) or

www.coalinfo.net.cn/coalbed/meeting/2203/2003z.htm(Chinese) for the most current information.

Questions may be directed to Mr.Clark

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Ms. Liu Xin at cbmc@public.bta.net.cn or

+86.10.84657948.

CONFERENCE SPONSORS

The following organizations are the sponsors of the 3rd International Methane & Nitrous Oxide Mitigation Conference.

- China Academy of Agricultural Sciences
- China National Coal Association
- China Association of Urban Environmental Sanitation
- U.S. Environmental Protection Agency
- UN Development Programme
- Asian Development Bank
- IEA Greenhouse Gas R&D Programme
- China United Coalbed Methane Corporation
- Raven Ridge Resources
- EcoSecurities
- Partnership for Energy and

- Environmental Reform
- Uglemetan
- CSIRO
- Methane Center Kazakhstan
- Natsource

CONFERENCE ORGANIZERS

China Coal Information Institute

OPPORTUNITIES FOR CONFERENCE

SPONSORSHIP AND EXHIBIT

Sponsorship Opportunities

Sponsorship opportunities are still available! Sponsors will enjoy a host of benefits, including increased exposure among the conference attendees and recognition in the conference materials. We will list sponsors in the conference proceedings and the agenda, and will post signs at the conference acknowledging sponsors'generous donations.

Exhibit Opportunities

With an expected attendance of over 300 people from all over the world, the conference is a prime opportunity for you to get your message out! There are a limited number of booth and table top exhibit spaces available. Each exhibitor will receive a 10' by 10' booth space or a tabletop space assigned on a first-come first-served basis. All exhibit personnel must register and pay the conference registration fee.

If your organization is considering sponsorship or interested in exhibit space, please contact Mr.Clark Talkington or Ms.liu Xin.

CONFERENCE ORGANIZING COMMITTEE MEMBERS

Co-Chairs

Mr. Fan Weitang,Chairman, *China National Coal Association*

Prof. Lin Erda, Director, *Agrometeorological Institute, China Academy of Agricultural*

Sciences

Ms.Dina Kruger, Chief, *Non-CO2 Gases and Sequestration Branch, U.S. Environmental Protection Agency*

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Mr.Jone Gale, *IEA GHG R&D Programme*
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Natural Gas

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